

~~SECRET~~ CONFIDENTIAL

25X1

25X1  
25X1

NC

REV DATE	15/4/80	BY	37164
ORIG COMP	33	OPI	56
ORIG CLASS	5	PAGES	29
JUST	22	NEXT REV	26/0
TYPE	30	REV CLASS	C
AUTH:		HR 10-2	

Dear Sir:

Transmitted herewith is a memorandum describing final acceptance tests conducted with respect to Divisions 1, 2, and 3 of the microwave system.

A general conclusion reached with respect to Divisions 1, 2, and 3 is that fundamentally the system is satisfactory and should be accepted. However, some concern exists with respect to "maintenance" aspects of the system. Attention is called specifically to a variation in the quality of teletype circuits. The acceptance tests show that with respect to the poorer type circuits multiple patching is not generally practical. However, improvement could be obtained by substitution of tubes and relays.

With respect to the maintenance problem, it was the view of the representatives of the manufacturer that in general the equipment in these Divisions has been installed for a considerable period of time and therefore may be in need of some maintenance to bring all of it up to top performance. This is particularly pertinent to the teletype equipment which has been constantly in one position of operation, that is the equipment has not been shifting between the "mark" position and the "space" position as it would normally if the circuits were in operational use. It has been the position of the representatives of the customer that problems of a strictly maintenance nature which involve no fundamental difficulty can be handled best in a routine maintenance manner by the customer where they involve merely bringing an operating circuit up to top performance. This is considered preferable to incurring the expense which would be associated with having the manufacturers representatives perform such a maintenance.

Inasmuch as some concern does exist with respect to the exact reasons for the variation in the teletype circuits of Divisions 1, 2, and 3, it is suggested that formal acceptance of Divisions 1, 2, and 3 await the final acceptance tests on Division 4. In connection with the tests of Division 4, a determination will be made as to the performance of equipment which has been recently installed and in that respect differs from the equipment in the other Divisions. If the teletype circuits in this Division show the same variation in performance as occurred in the case of the other Divisions, a determination should be,

~~SECRET~~

CONFIDENTIAL

- 2

12/16/53

25X1

CONFIDENTIAL

made as to the exact reason for this. On the other hand, if the circuits perform as we think they should, then the conclusion reached with respect to Divisions 1, 2, and 3, that this is a maintenance problem, will be confirmed.

With the qualifications stated above, the attached report on acceptance tests for Divisions 1, 2, and 3 is submitted.

Very truly yours,

25X1

JJR:mfb  
Attachments

CONFIDENTIAL

~~SECRET~~